ABHIJIT PAUL

Python-SDET | Data Science & Machine Learning

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+ ABOUT ME

Seasoned Python Test Automation Developer with 11+ years of experience in BFSI domain, adept at data analysis and converting insights into solutions, with around 1 year of experience into End-to-End Machine learning projects development, seeks to leverage expertise as an Machine Learning Engineer in the Data Science realm.

+ LINKS

Portfolio
abhijit-ai-folio.netlify.app

+ COURSE

- MAR 2024
  FULL STACK DATA SCIENCE
  MASTERS, INEURON

+ EDUCATION

- BMIT [R.T.U], Jaipur
  Jaipur
  2012
  B.TECH - IT

+ KEY PROJECTS

- ### CREDIT CARD DEFAULTS PREDICTION

  Tech Stack: *Python, Statistics, Machine Learning, MLFlow*
  ● The model aims to predict default payments based on various demographic and credit-related features.
  ● Designed XGBClassifier along with tuning its Hyper parameters.
  ● Created a model with an Accuracy: 83%, Recall: 80%, ROC-AUC: 91%, Precision: 84%, F1: 81%
  ● Deployed project in AWS - ECS and AWS AppRunner using Dockerization

- ### RESTAURANT RATINGS PREDICTION

  Tech Stack: *Python, Statistics, Machine Learning, MLFlow*
  ● The model aims to predict ratings of restaurant based on various demographic and restaurant-customer-related features
  ● Designed RandomForestRegressor along with tuning its Hyper parameters.
  ● Created a model with an R2 Score: 73%
  ● Registering the experiments using MLFlow and uploading on DagsHub for prediction reproducibility and deployed using AWS ECS

- ### BLOGVERSE

  Tech Stack: *Python, MongoDB, HTML, CSS, Flask, Jinja2, AWS*
  ● This is a Blog Creator Web Application project aimed at facilitating users to showcase their contents, thoughts, skills in the form of Blogs.
  ● This project utilizes Web Development using Python technology and data is stored in NoSQL cloud server pertaining CRUD operations.
  ● Created CI/CD pipelines and deployed on AWS

+ WORK EXPERIENCE

- Trading Technologies Pune   SEP 2021 - PRESENT
  SENIOR SDET (TEAM LEAD)

  Project: TT Web (Derivative exchange trading platform)
  ● Spearheaded automation strategy and defined scope for TT Web, a cutting-edge derivatives exchange trading platform.
  ● Directed task distribution and led team management to ensure project milestones were met efficiently.

First Class Honors - 8.2 CGPA

+ SKILLS

Python

Machine Learning

Statistics

AWS

MLOps

SQL

Sklearn, Pandas, Mumpy

Tensorflow, Pytorch, Pyspark

Hyperparameter Tuning,
Optimizing Model Performance

+ LANGUAGES

English

Hindi

• Proactively identified risks and implemented mitigation strategies to maintain project integrity.
• Optimized automation scripts to improve code readability, maintainability, and overall performance.
• Managed CI/CD pipelines, streamlining the testing and deployment processes for enhanced productivity.
• Mentored and supervised a dedicated team of 3, fostering professional growth and technical excellence.

● FIS   FEB 2015 - AUG 2021
Pune
LEAD TEST AUTOMATION ENGINEER

Project: Apex Securities Finance (Agile Development)
• Led VBScript to Python migration.
• Built Jenkins CI/CD for testing.
• Developed BDD framework in Python.
* Got exposure to Pytest and UnitTest test development frameworks.
• Enhanced code for optimal performance.

● Bank of New York Mellon   DEC 2012 - JAN 2015
Pune
QUALITY ANALYST

Project: Broker Dealer Services (Waterfall Development)
• Spearheaded the creation of VB Script-based test automation scripts to enhance product team efficiency in the Broker Dealer Services project.
• Managed Daily Sanity and Monthly Regression testing cycles, ensuring system reliability and performance.
• Executed comprehensive ETL testing for critical pricing and rating data feeds, guaranteeing data integrity and accuracy.

+ HOBBIES

● Technical Content Writing, Physical Workouts, Cricket